Capabilities

FETC can assemble a multidisciplinary, federally staffed team to facilitate solving environmental management problems. FETC's portfolio of services includes:

Business Management Processes

FETC applies its business management expertise to enhance the effectiveness and efficiency of government environmental management programs. FETC's capabilities include:

- Program/project planning and performance measurement
- Business and decision systems engineering
- Cost/benefit analysis
- Information management and program integration

Acquisition Planning and Management

FETC is an acknowledged leader in providing government solutions through the use of sound, innovative acquisition planning and management practices. FETC expertise includes:

- Acquisition planning and execution
- Crafting acquisition strategies to meet unique needs
- Defining requirements to maximize private-sector participation
- Efficient, responsive administration of contracts and agreements

Technology Management

FETC has years of experience in managing R&D to advance technology for energy and environmental applications. FETC expertise in technology management includes:

- R&D portfolio investment analysis
- Technology and market assessments
- R&D contracting to maximize private-sector contribution
- Project management from concept through commercialization

Brokering Partnerships

FETC provides leading-edge capabilities in bringing together all stakeholders—the private sector, universities, government at all levels, and regulators—to solve energy and environmental problems. FETC capabilities include:

- Identifying stakeholders and determining common ground
- Developing stakeholder participation strategies that strengthen cooperation
- Facilitating productive dialogue that results in better decision-making
- Developing and implementing acquisitions that enhance partnerships

Experience

Technology Demonstration

Innovative decontamination and decommissioning (D&D) technologies are being used at the Chicago Pile 5 (CP-5) Reactor at Argonne National Laboratory. Working with DOE's Chicago Operations Office, FETC has organized and sponsored the CP-5 demonstration project to evaluate and apply innovative DOE and private-sector technologies. Similar demonstrations are being managed by FETC at Fernald and Hanford with additional projects being planned for other DOE sites.

Co-Development of Clean Coal Technologies

FETC has managed more than 40 major clean coal technology demonstration projects with the private sector, valued at $7 billion. Private-sector participants paid an average two-thirds of the project cost. As the government partner, FETC interpreted the demands of the marketplace for risk allocation, indemnification, and warranties to obtain commercial financing.

Privatization of Federal Projects

FETC successfully completed privatization of DOE's Western Environmental Technology Office (WETO) in Butte, Montana, spearheading all activities from site assessment to signing the agreement with the Butte Local Development Corporation (a non-profit state organization). This privatization accomplished an immediate fair market value sale of a federal facility, minimization of adverse impact on the local workforce, and continuity of existing R&D programs.

Commercial Partnerships in Environmental Technologies

To date, FETC has issued seven competitive procurements to develop private-sector technologies, resulting in award of 97 private-sector R&D contracts. FETC has worked with EM's Technology Focus Areas to define needs, evaluate proposals, and oversee contract management for selected projects. Technologies chosen for DOE sites include Redzone Robotics' Houdini Robot for cleanup of radioactive environments at Oak Ridge and Fernald and Vortec Corporation's vitrification system for remediation of contaminated soils.

EM Management Systems and Processes Initiative

FETC has been commissioned by the Office of Environmental Management (EM) to support its initiative to improve its management systems and processes, ranging from providing effective project management tools to facilitating executive-level "workout" sessions to resolve critical management and program integration issues.

Creating Industry-Driven Programs

A waste product of the uranium enrichment process, commonly known as depleted uranium hexafluoride (DUF_6), represents one of DOE's largest material management problems. FETC is assisting DOE's Office of Nuclear Energy in its decision to develop a strategy to utilize, store, and dispose of the inventory. FETC is supporting the design, construction, and operation of a 50/50 cost-shared pilot plant in Illinois for the conversion of DUF_6 to uranium oxides. Data from this plant are expected to provide relevant inputs to the basis from which an industry-driven program plan will be developed.

Acquisition Planning and Management

FETC is managing the procurement process to demonstrate technologies for cleanup of the St. Louis Airport Site. FETC has designed a procurement process which will best apply private sector capabilities to solving the problem. The objective is to identify technologies for remediation of soil contaminated with radium, thorium, and uranium, while ensuring no negative impact upon health, environment, or economic development.

Partnerships and Performance

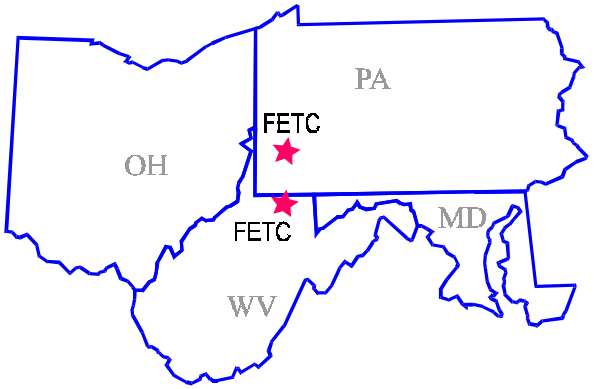
The Federal Energy Technology Center (FETC) provides business and technology management services to U.S. Department of Energy sites and other federal agencies. Our goal is to improve the effectiveness and efficiency of government environmental management programs. We at FETC believe that the use of state-of-the-art business practices can improve productivity in government programs—FETC can help government agencies *steer* rather than *row*, to get the job done better. In addition, FETC can help agencies bring private-sector capabilities to bear in solving environmental problems, by using sound, innovative practices in acquisition planning and management and utilization of the appropriate technology for a best-priced solution.

Catalytic Government: Steering Rather Than Rowing

"The word government is from a Greek word, which means 'to steer.' The job of government is to steer, not row the boat..."

-- E.S. Savas in "Reinventing Government" by David Osborne and Ted Gaebler

The Federal Energy Technology Center (FETC) is a government-owned, government-operated facility with a staff of approximately 570 federal employees. FETC has developed a unique set of core competencies... innovative contracting approaches...strong and proven project management expertise...world-class science and engineering skills...expertise in energy and environmental technologies...the ability to assess the cost, performance, and environmental impact of technologies, without bias...and strong administrative skills, including the legal and environmental, safety, and health capabilities necessary to support all activities.



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